

A detailed Smith chart used for impedance calculations. It features concentric circles representing constant Standing Wave Ratio (SWR) or reflection coefficient magnitude, labeled with values 0.5, 1, 1.5, 2, and infinity (∞). Radial lines represent constant phase angles of the reflection coefficient, labeled as $\theta_0 + 90^\circ$, $\theta_0 + 45^\circ$, θ_0 , $\theta_0 - 45^\circ$, $\theta_0 - 90^\circ$, and $\theta_0 - 120^\circ$. Several points are marked on the chart: point 1 is at the top of the SWR=1 circle; point 2 is on the SWR=2 circle at angle θ_0 ; point θ_1 is on the SWR=0.5 circle at angle $\theta_0 - 120^\circ$; and point θ is on the outer edge of the chart at angle $\theta_0 + 90^\circ$. Dashed lines connect these points to the center. An arc between two radial lines is labeled θ and $-\theta$. The label "HPA" is located near the top left. Arrows indicate the direction of increasing angle around the chart.

(b), (d)

Fig. 3(a)

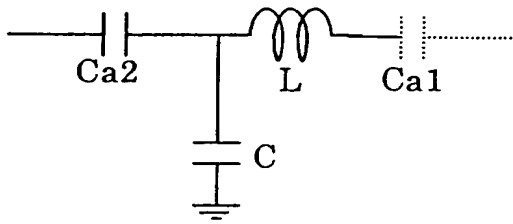


Fig. 3(b)

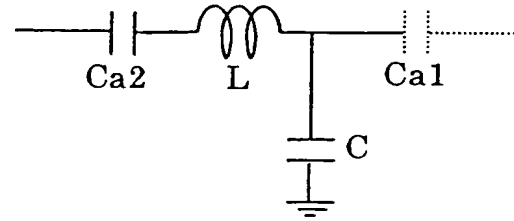


Fig. 3(c)

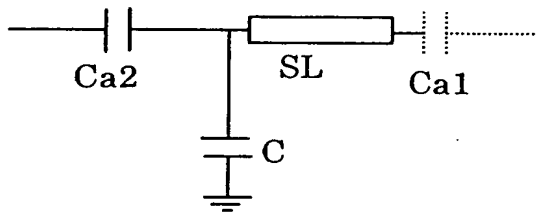


Fig. 3(d)

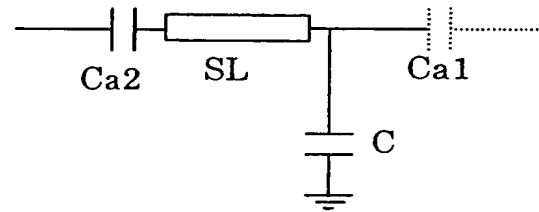


Fig. 4(a)

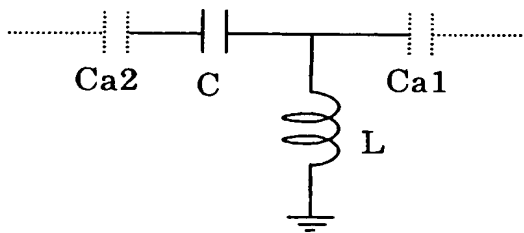


Fig. 4(b)

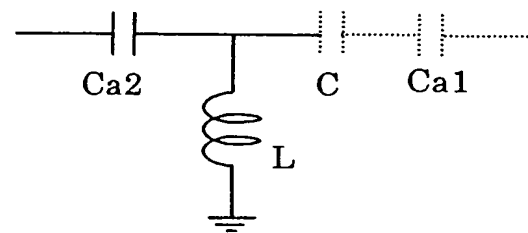


Fig. 4(c)

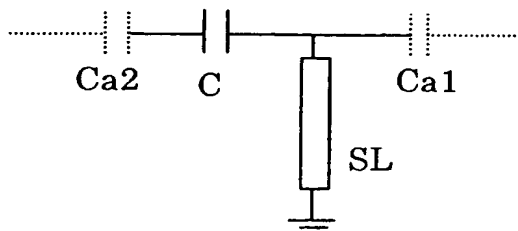


Fig. 4(d)

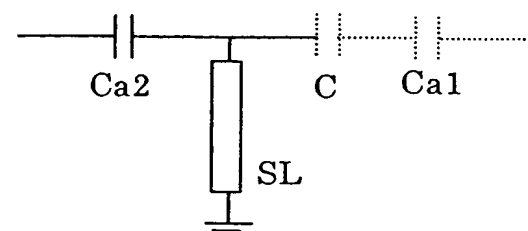


Fig. 5

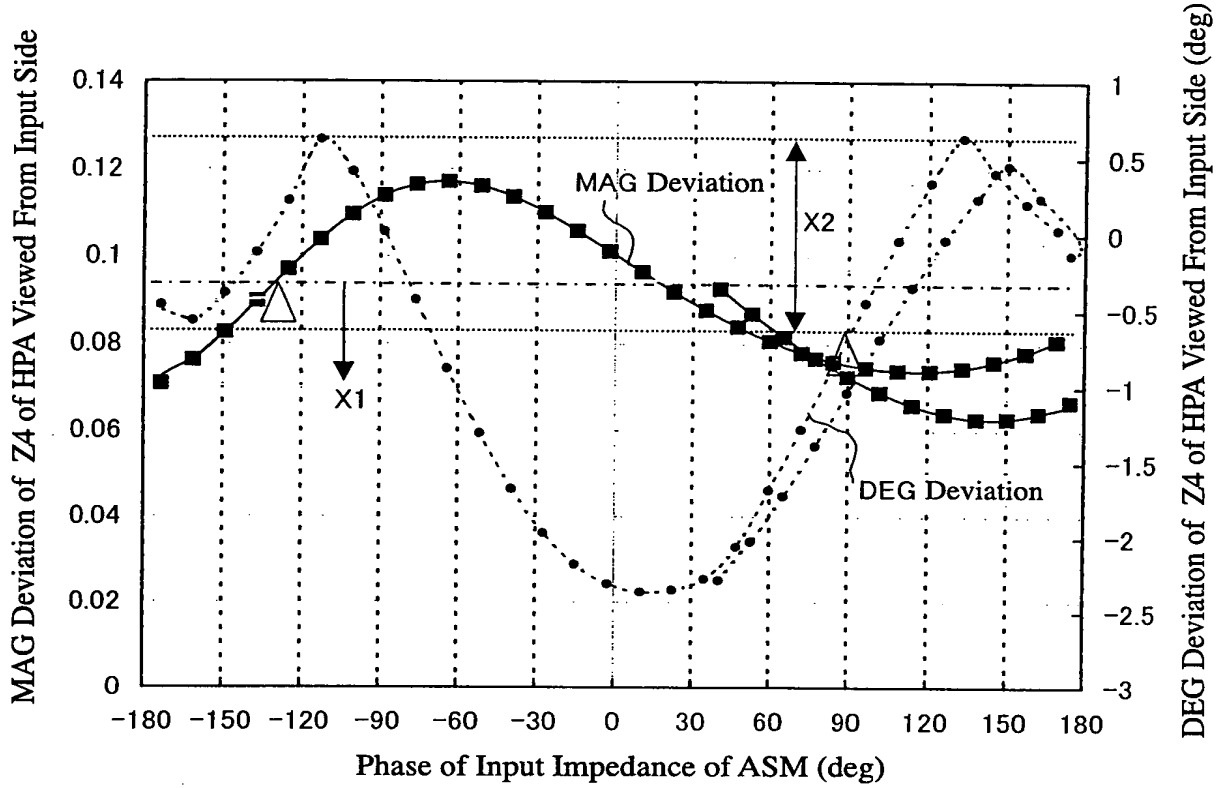


Fig. 6

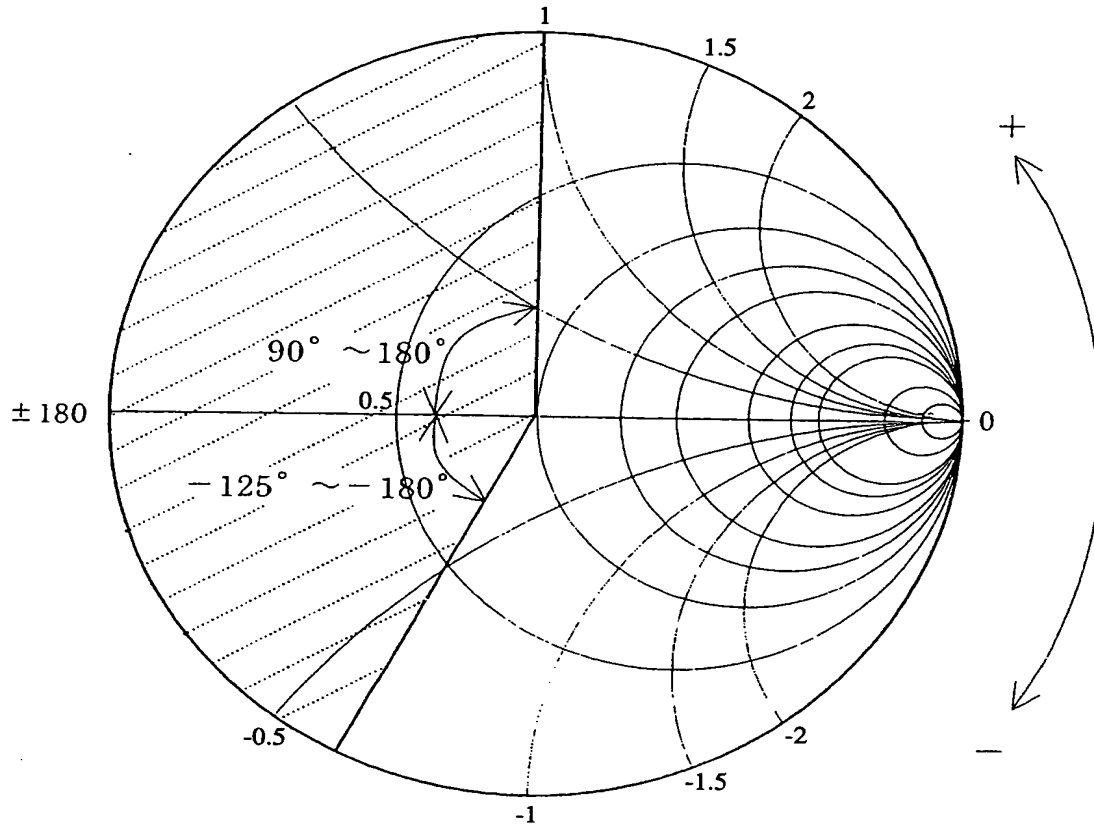


Fig. 7

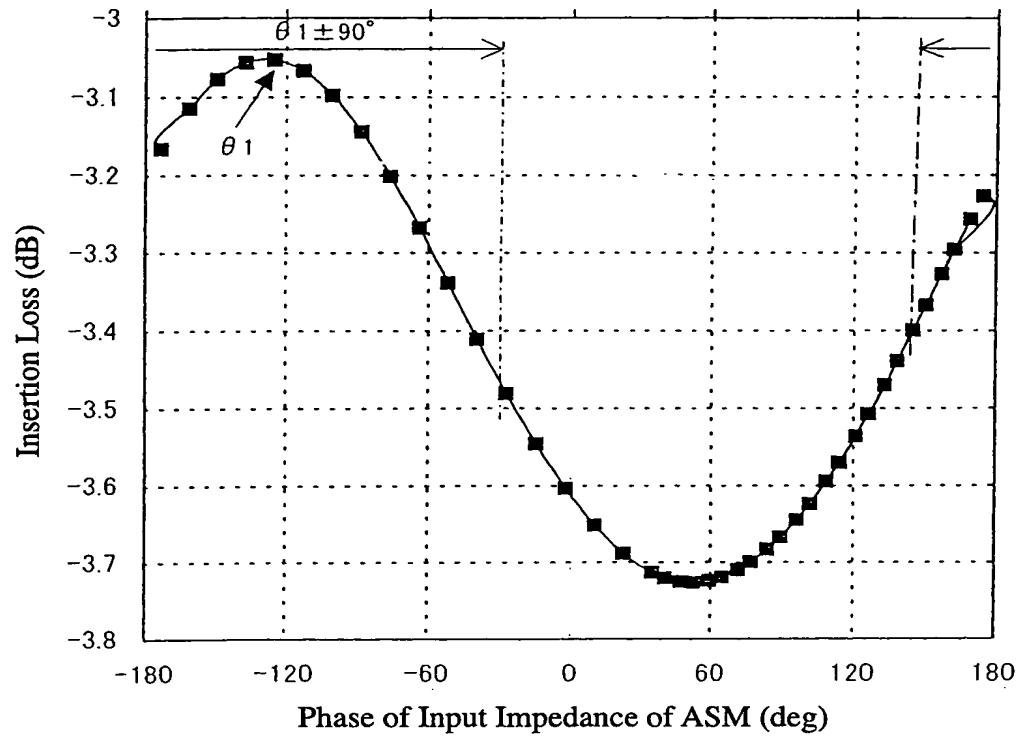


Fig. 8

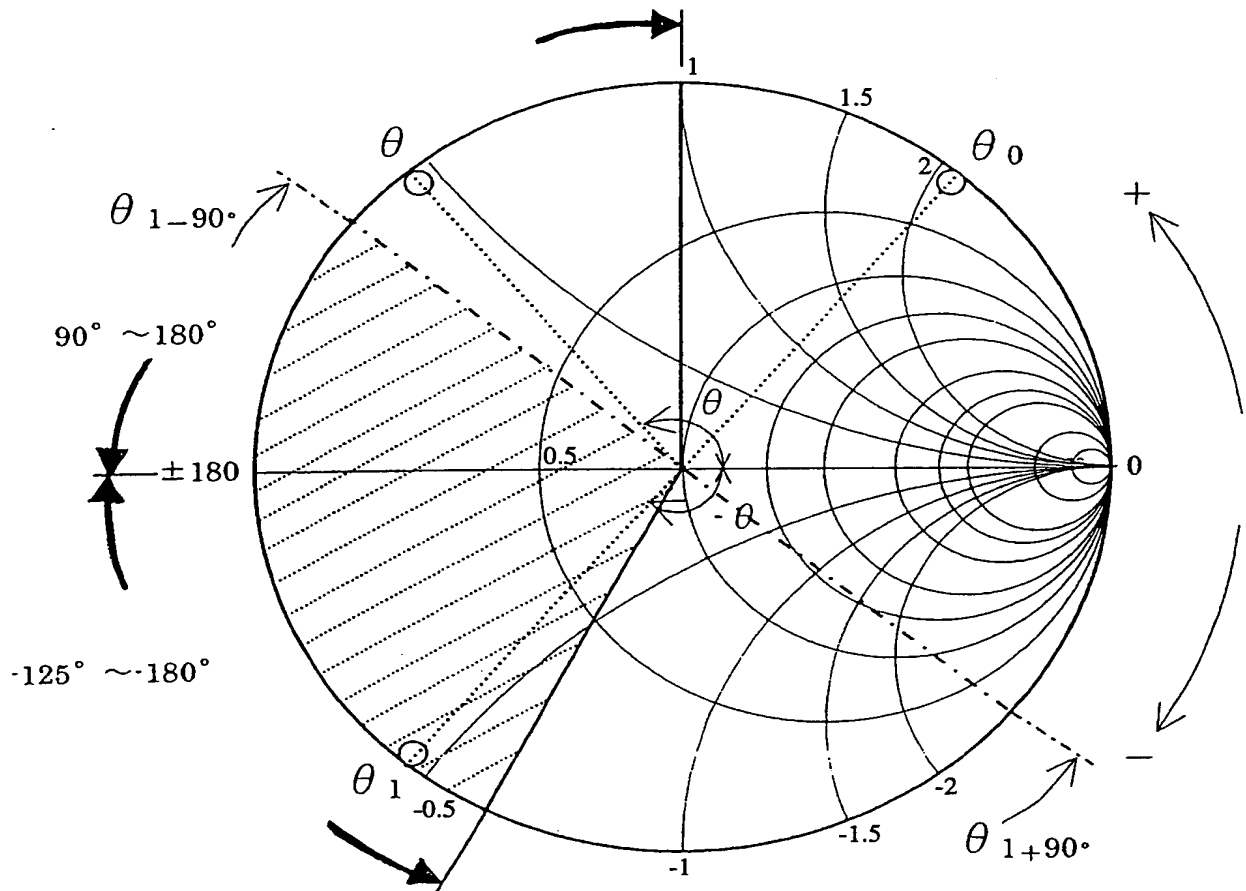


Fig. 9(a)

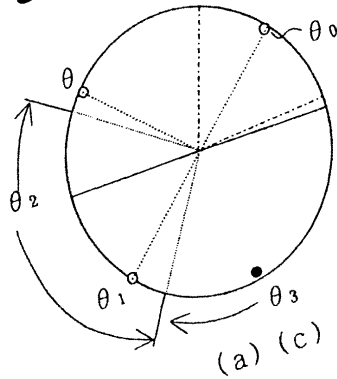


Fig. 9(b)

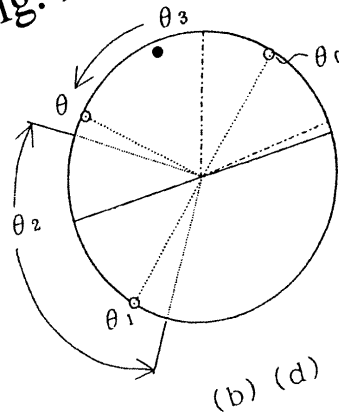


Fig. 10

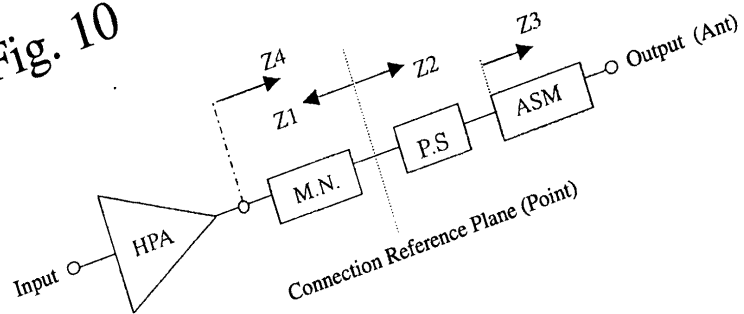


Fig. 11

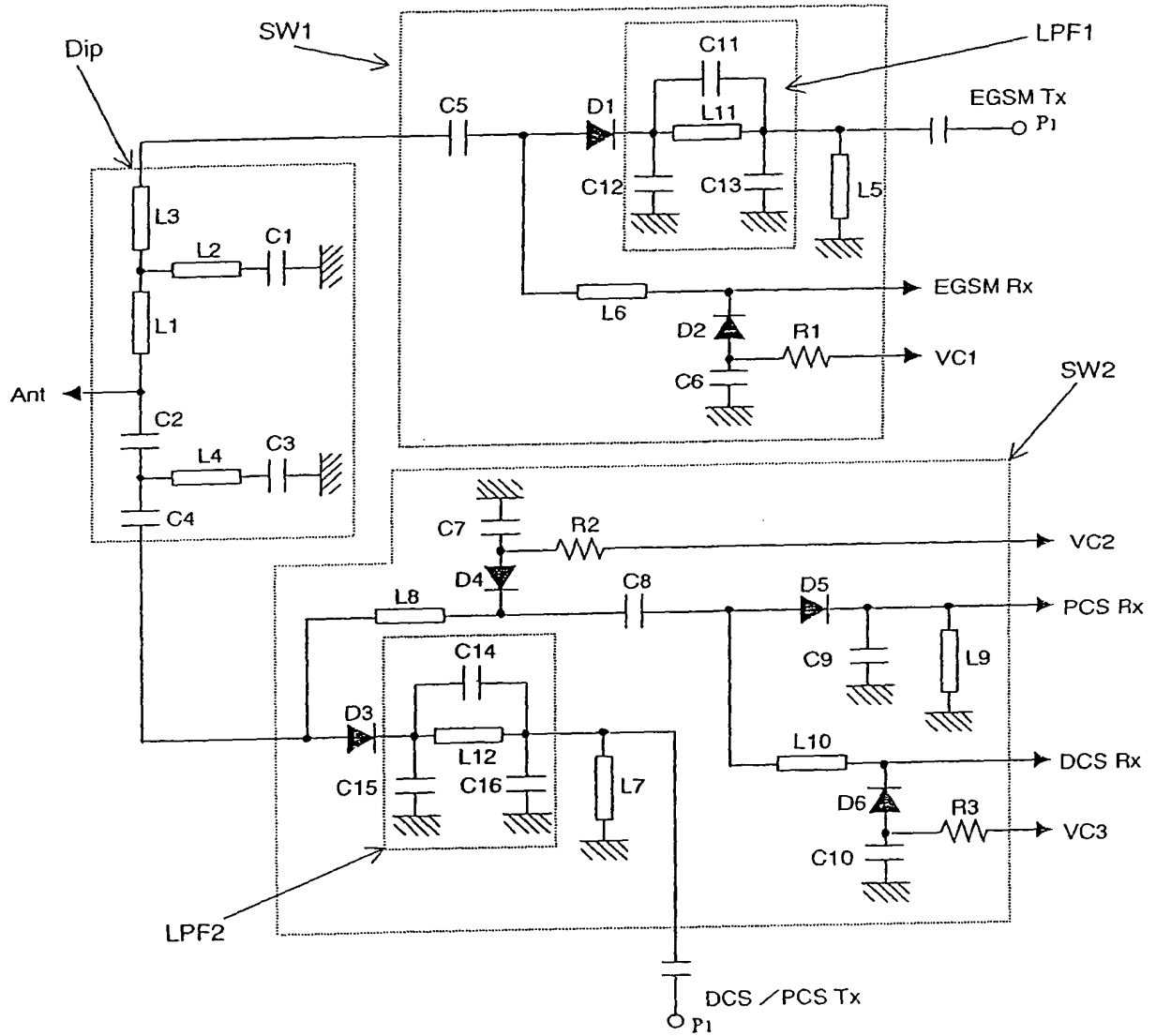


Fig. 12

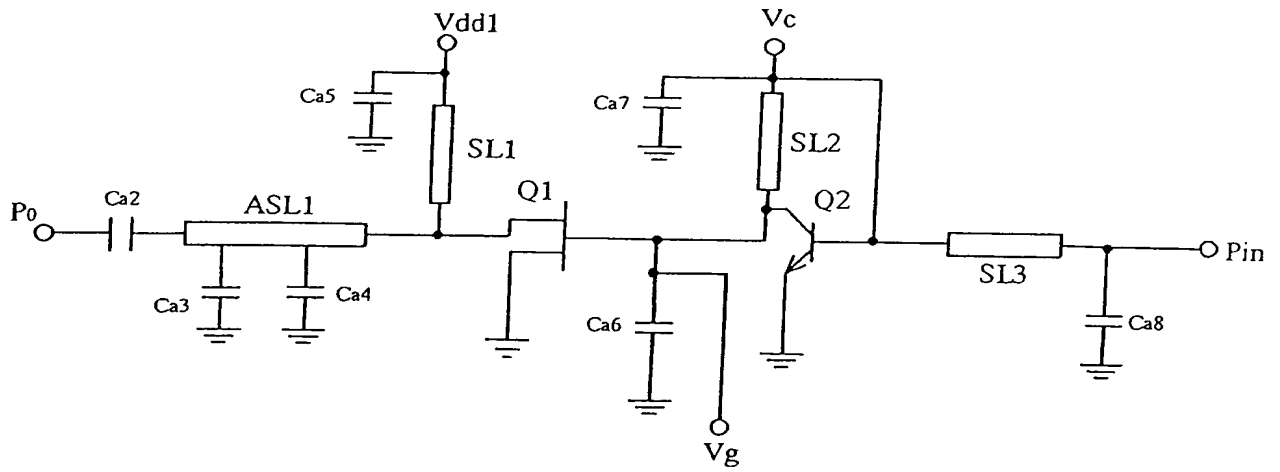
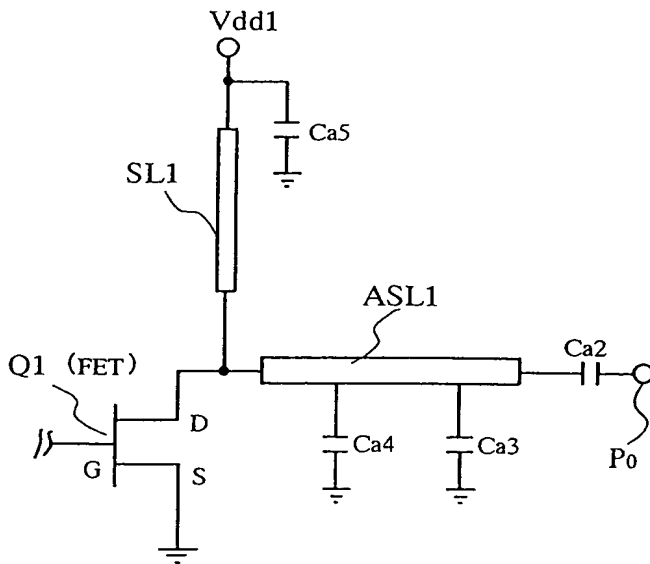
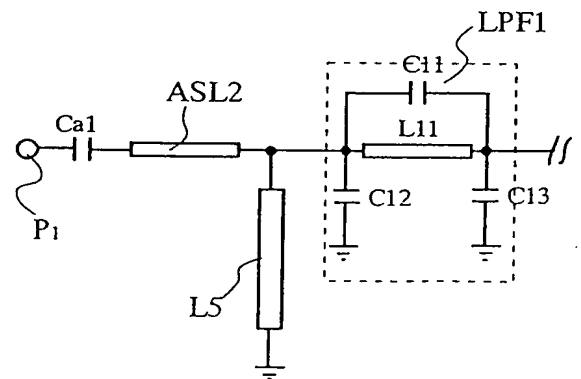


Fig. 13(a)



Circuit Portion of High-Frequency
Amplifier Near Output Terminal

Fig. 13(b)



Circuit Portion of Antenna Switch
Near Transmission Terminal

Fig. 14

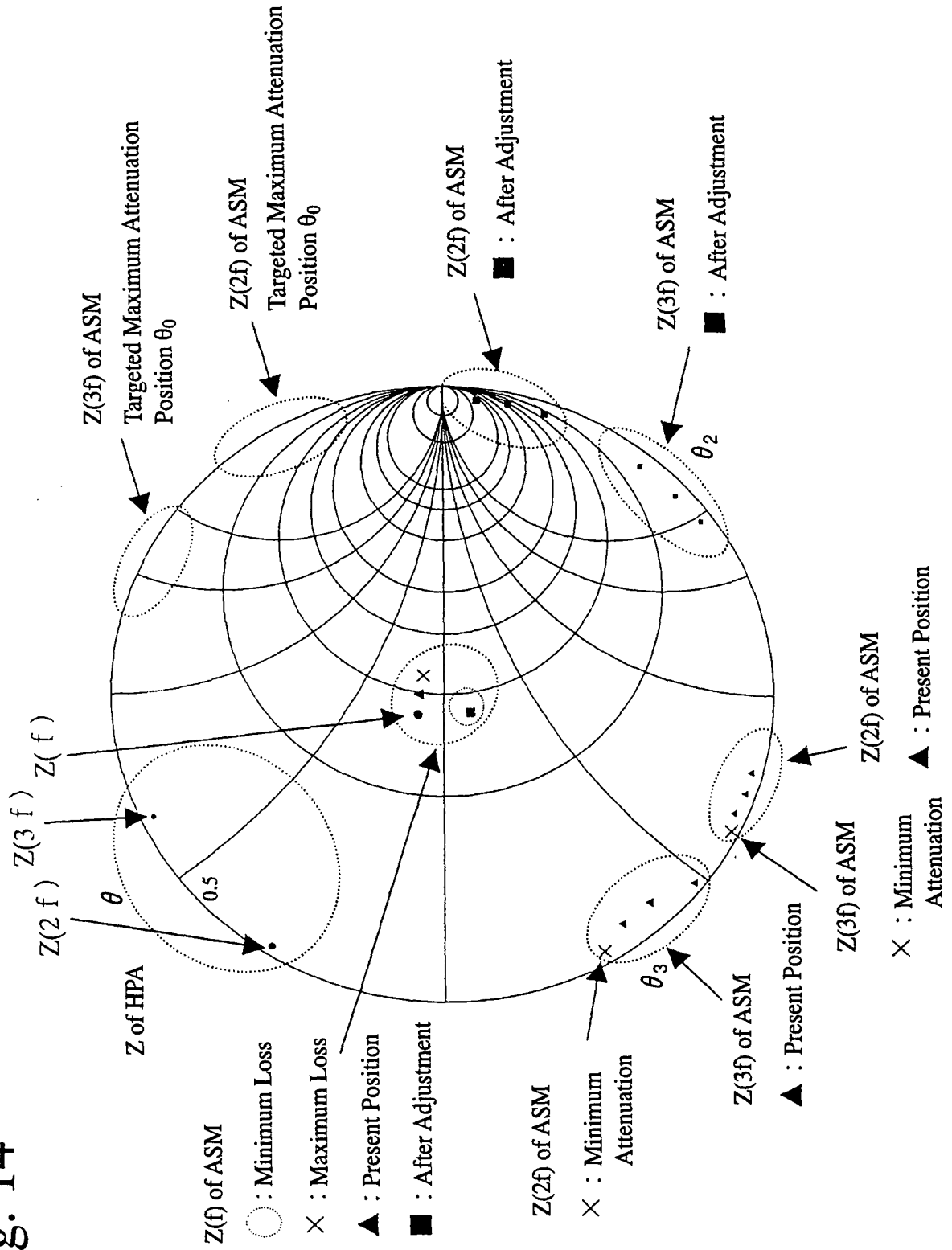


Fig. 15(a)

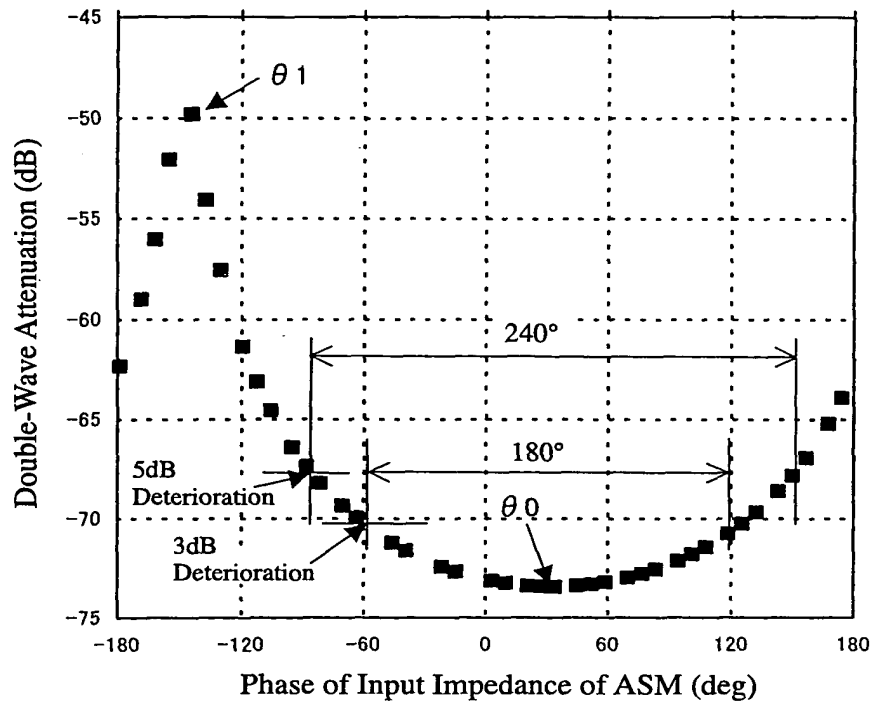


Fig. 15(b)

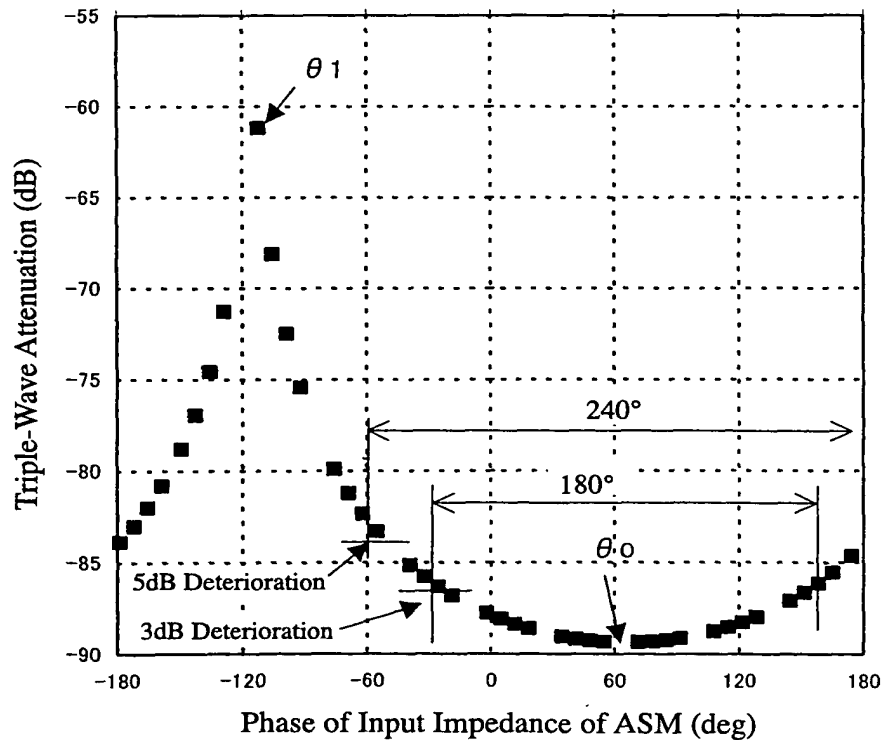


Fig. 16

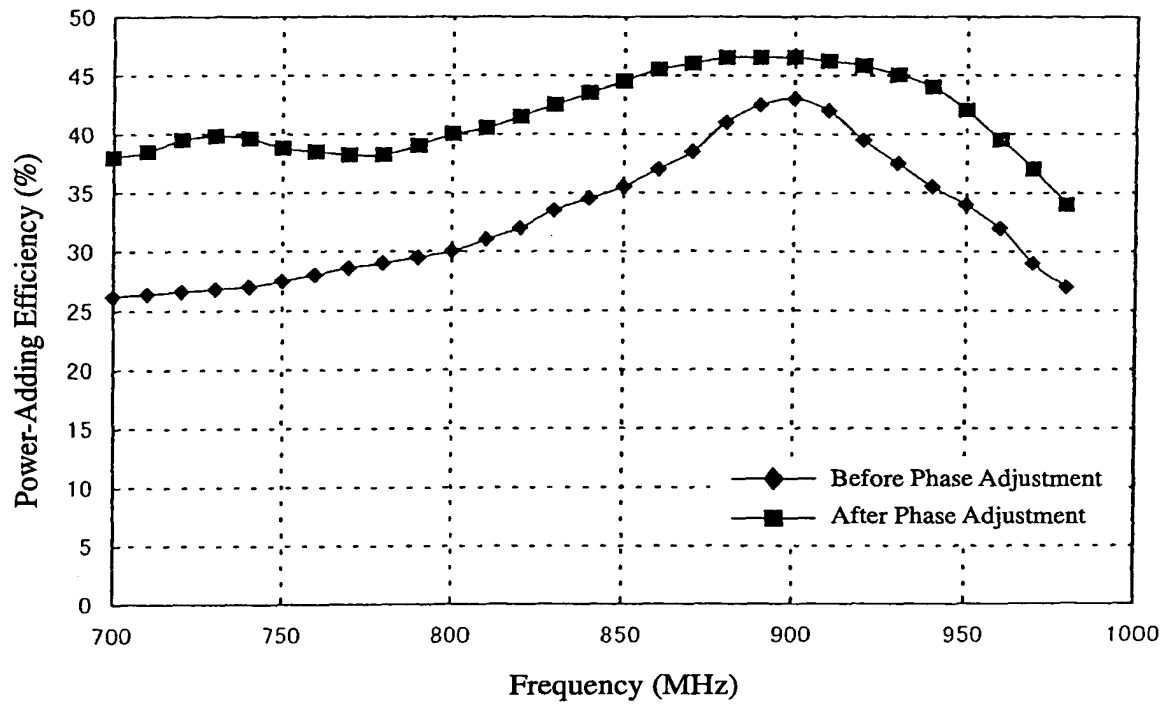


Fig. 17

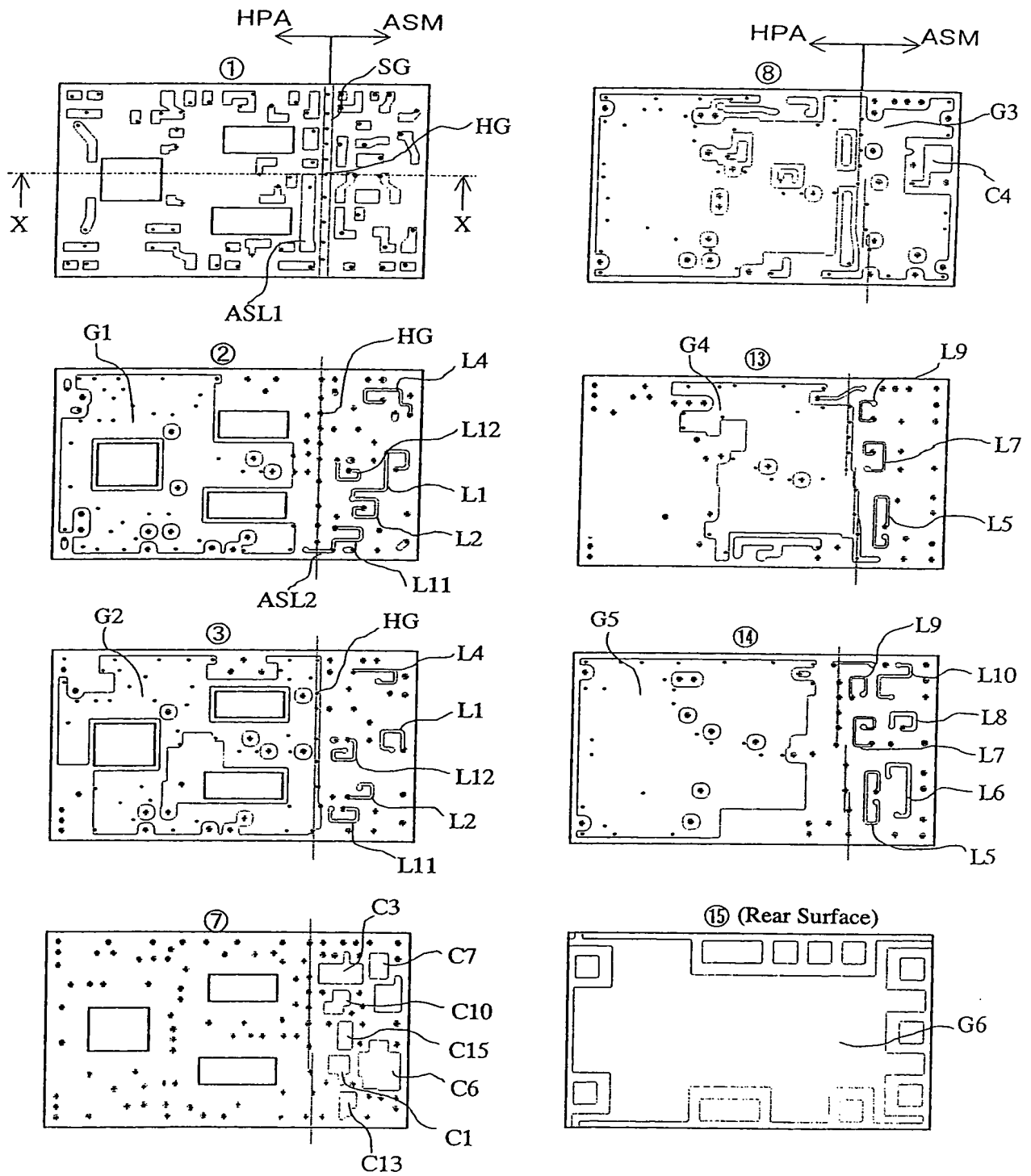


Fig. 18

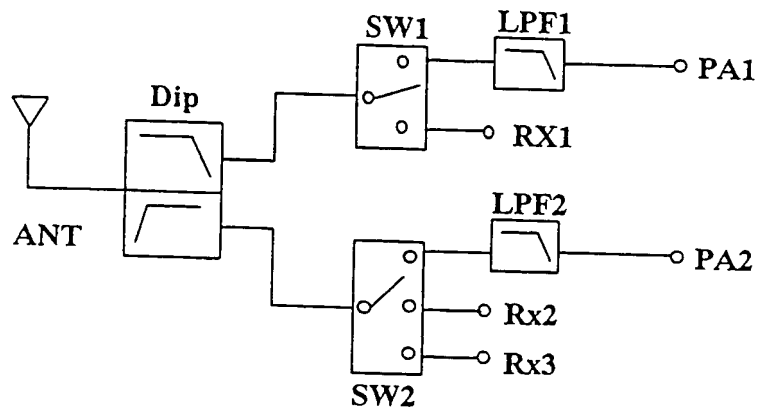


Fig. 19

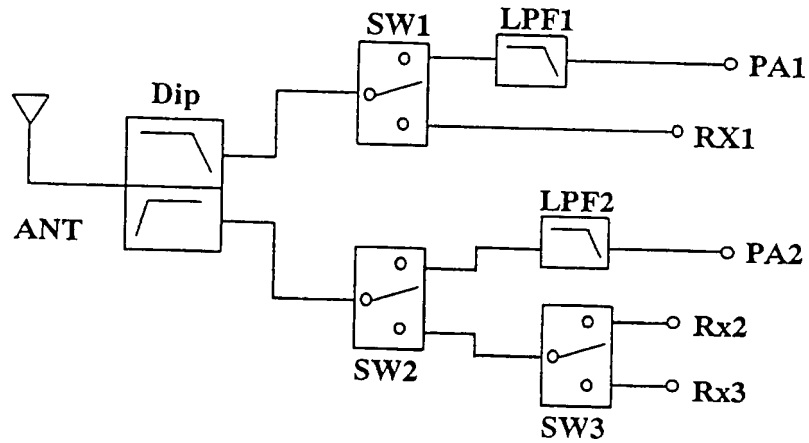


Fig. 20

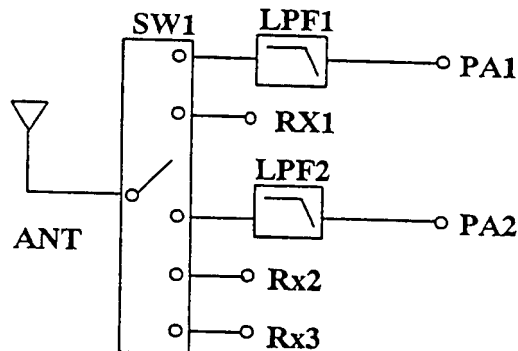


Fig. 21

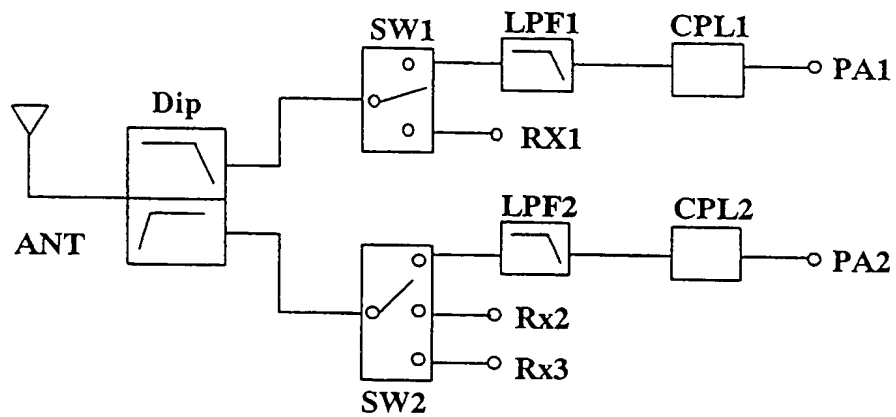


Fig. 22

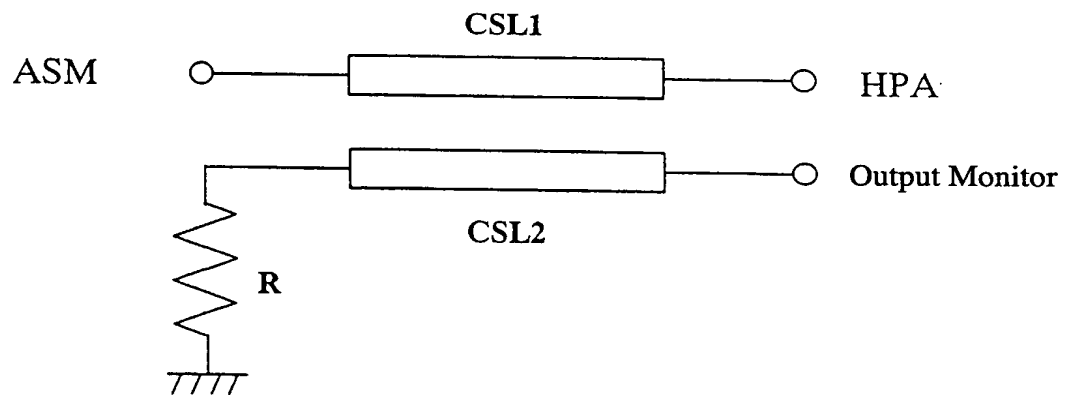


Fig. 23

